

Gulf of Mexico Harmful Algal Bloom Bulletin

19 May 2005

National Ocean Service

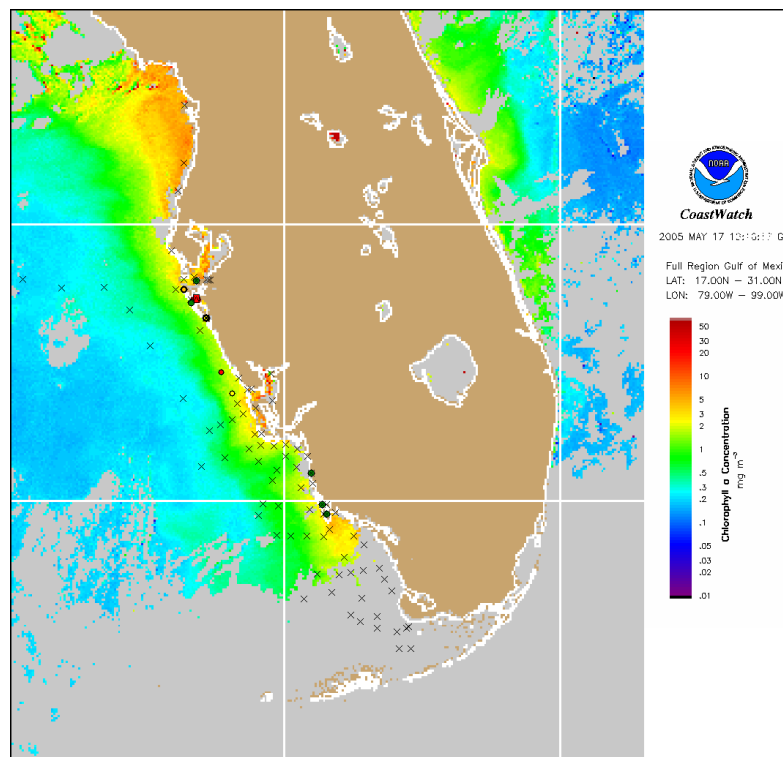
National Environmental Satellite, Data, and Information Service

Last bulletin: May 16, 2005

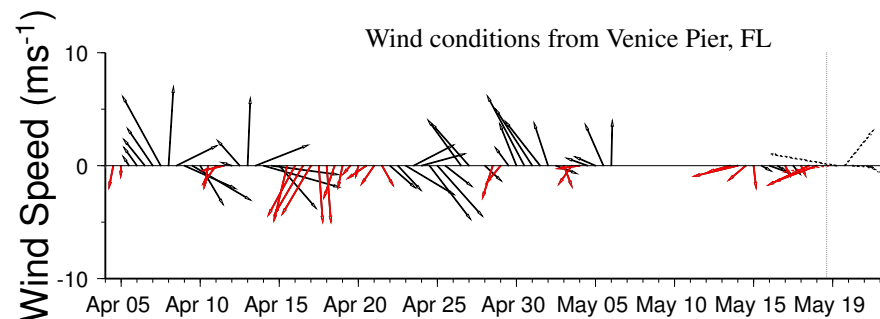
Conditions: A harmful algal bloom has been identified in Manatee and Northern Sarasota County. Patchy low to high impacts are possible in bayside areas through Sunday. The bloom continues to dissipate along the coast, and impacts at the beach are unlikely.

Analysis: The bloom remains in the Palma Sola and Sarasota Bay systems. Bayside impacts are possible due to medium to high concentrations (May 9-12; FWRI) of *K. brevis* in Palma Sola Bay and Anna Maria Island. There have been no reports of respiratory impacts or new sampling since the last bulletin. Intensification and movement of the bloom is not expected.

-Fenstermacher & Keller



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from May 2, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

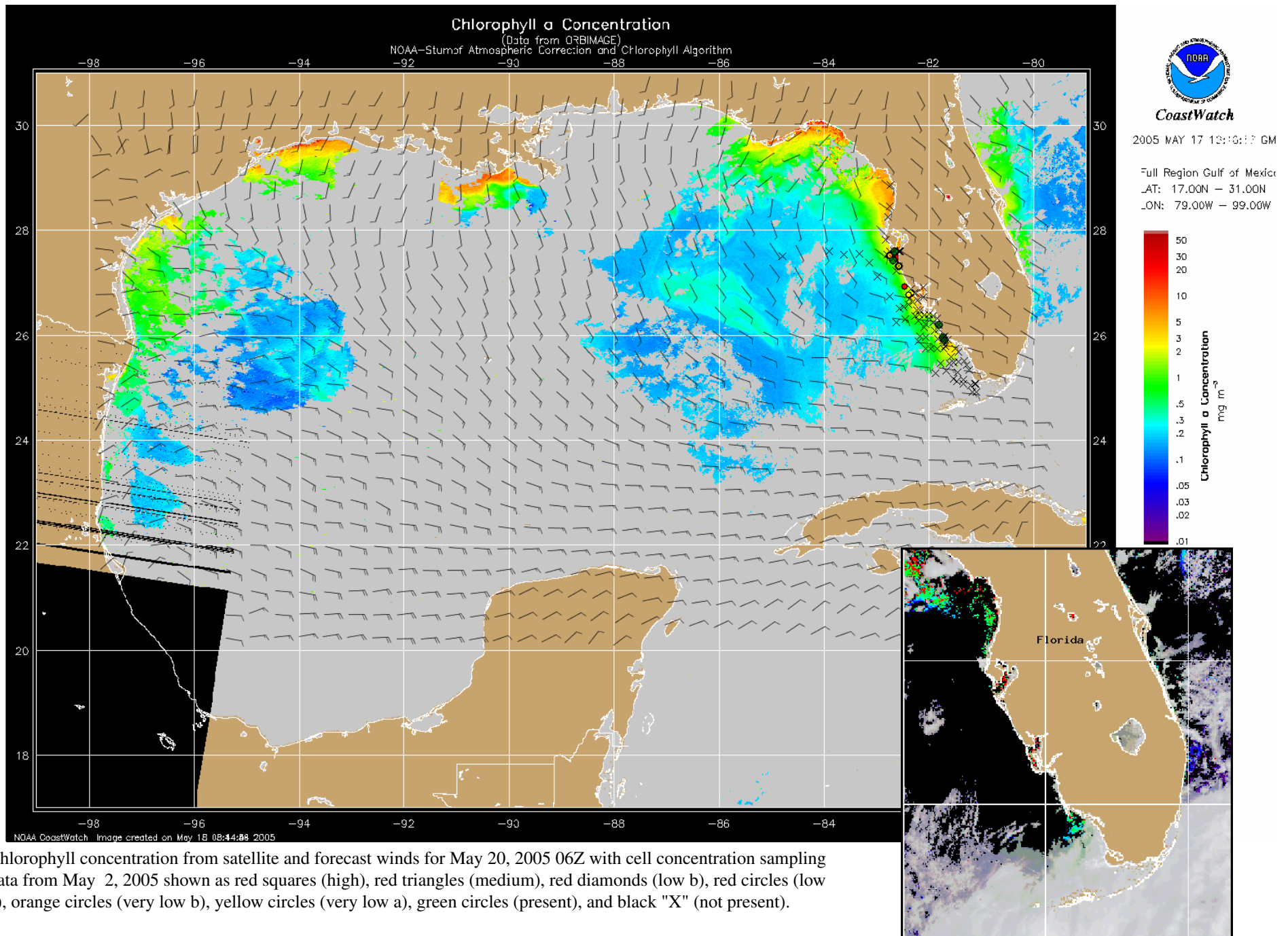


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Strong easterlies (10-15 knots; 5-8 m/s) this afternoon. Easterly and northwesterly winds rotating today through Friday (5-10 knots; 3-5 m/s). Northwest and westerly winds (5-10 knots; 3-5 m/s) through Saturday. Northeasterlies (10-15 knots; 5-8 m/s) on Sunday. Northwest winds (5-10 knots; 3-5 m/s) on Monday.

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Chlorophyll concentration from satellite and forecast winds for May 20, 2005 06Z with cell concentration sampling data from May 2, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

Blooms shown in red (see p. 1 analysis and image for interpretation)